

AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all previous claims, and listings of claims, in the application:

1. **(Currently Amended)** A geographic and space positioning system comprising:

a first, a second, and a third base which are fixed in relation to the earth, spaced away and each having a different alignment in relation to each other and each having a previously known location;

a space platform, simultaneously visible from the three fixed bases and which moves to successive positions, as a function of time, according to a space platform trajectory that is inclined in relation to the rotation axis of the earth;

a transmitter, installed in at least one of the fixed bases in order to emit pulses in a determined frequency, each pulse in a predetermined reference instant;

a receiver for each of the fixed bases, each receiver being installed in one of the fixed bases in order to receive said pulses in a signal trajectory covering the distance between the space platform and the fixed base associated with the receiver; and

a precision clock in each of the fixed bases, the precision clocks being synchronized with each other; and

a control unit operatively connected to both the transmitter and each receiver, in order to calculate, for each pulse emission instant, the lateral edges of a tetrahedron, whose vertices are defined by the three fixed bases and by the space platform, based upon the determination of the propagation time of each pulse, in said signal trajectory, between the space platform and each fixed base in order to allow determining a respective extension of the space platform trajectory ~~of the space platform~~, while the latter is visible by the fixed bases, the tetrahedron edges being